



# Ultra-Silt Dike

## Specification

**Product:** Ultra-Silt Dike

**Manufacturer:**

UltraTech International, Inc.  
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### 1.0 Description of Work

1.1 This work shall consist of furnishing, installing, maintaining, and removing Ultra-Silt Dike erosion control device as directed by the engineer or as shown on the site drawings.

### 2.0 Ultra-Silt Dike Materials

2.1 Ultra-Silt Dike shall be manufactured from a specially designed woven polypropylene geotextile and sewn by a double needle machine, using a high strength nylon thread.

2.2 Ultra-Silt Dike shall be manufactured with aprons on both sides of the unit. Ultra-Silt Dike shall be manufactured with triangular-shaped urethane foam.

2.3 The Ultra-Silt Dike unit shall utilize a woven fabric with the following characteristics:

## Specifications for Ultra-Silt Dike

Property	Test Method	Units	Test Results
Grab Tensile	ASTM D4632	lbs	124 / 101
Grab Elongation	ASTM D4632	%	15 / 15
Puncture	ASTM D6241	lbs	250
Trapezoid Tear	ASTM D4533	lbs	50
AOS	ASTM D4751	US Sieve	30
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.15

### 3.0 Construction Sequence

- 3.1 To install Ultra-Silt Dike in the catch basin, remove the grate and place the unit in the opening. Hold approximately six inches of the Drain Guard outside the frame. This is the area of the lifting straps. Replace the grate to hold the Drain Guard in place.
- 3.2 When the restraint cord is no longer visible, Ultra-Silt Dike is full and should be emptied.
- 3.3 To remove Ultra-Silt Dike, take two pieces of 1" diameter rebar and place through the lifting loops on each side of the unit to facilitate lifting.
- 3.4 To empty Ultra-Silt Dike, place unit where the contents will be collected. Place the rebar through the lift straps (connected to the bottom of the Drain Guard) and lift. This will lift the Drain Guard from the bottom and empty the contents. Clean out and rinse. Return Ultra-Silt Dike to its original shape and place back in the basin.
- 3.5 Ultra-Silt Dike is reusable. Once the construction cycle is complete, remove Ultra-Drain Guard from the basin and clean. Ultra-Silt Dike should be stored out of sunlight until the next use.

### 4.0 Basis of Payment

- 4.1 Payment for all Ultra-Silt Dike units used during construction is to be included in the bid price for the overall erosion and sediment control plan unless unit price is requested.

Note: This information is provided as reference only and is not intended as a warranty or guarantee. UltraTech International, Inc. assumes no liability in connection with the use of this information (8/1/24).